

Notice of Allowability

Application No.

10/641,146

Applicant(s)

KADOTA, KEIJI

Examiner

Art Unit

Dirk Wright

3681

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicants request for continuing examination under 37 CFR 1.114.
2. ☒ The allowed claim(s) is/are 1-26.
3. ☒ The drawings filed on 15 August 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 02102005
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on February 10, 2005 has been entered.

Claims Allowed

Claims 1-26 are allowable over the prior art of record. The claims are allowable because the prior art does not anticipate nor render obvious the claimed combination of: a vehicle apparatus comprising: a travel direction command determining section configured to determine whether a forward travel command or a reverse travel command has been issued; an electric motor counterelectromotive force detecting section configured to detect a counterelectromotive force of an electric motor that drives a wheel of a vehicle; and a wheel rotational direction determining section configured to determine whether the wheel is rotating in an opposite direction to a vehicle travel direction command determined by the travel direction command determining section, based on a determination that a polarity of the counterelectromotive force detected by the electric motor counterelectromotive force detecting section does not match the vehicle travel direction command determined by the travel direction command determining section; or: A vehicle apparatus comprising: travel direction command determining means for determining whether a forward travel command or a reverse travel command has been issued; electric motor counterelectromotive force detecting means for detecting a counterelectromotive

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force of an electric motor that drives a wheel of the vehicle; and a wheel rotational direction determining means for determining whether the wheel is rotating in an opposite direction to a vehicle travel direction command determined by the travel direction command determining means, based on a determination that a polarity of the counterelectromotive force detected by the electric motor counterelectromotive force detecting means does not match the vehicle travel direction command determined by the travel direction command determining means; or: a method for a vehicle comprising: determining whether a vehicle travel direction command has been issued is a forward travel command or a reverse travel command; detecting a counterelectromotive force of an electric motor that drives a wheel of the vehicle; and determining whether the wheel is rotating in an opposite direction to the vehicle travel direction command that has been determined, based on a determination that a polarity of the counterelectromotive force that has been detected does not match the vehicle travel direction command that has been determined.

No particular single feature of the claim renders the claim as a whole patentable. Only the claim taken as a whole combination is deemed new and unobvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Prior Art Discussed

The examiner has considered the references cited by applicant in his Information Disclosure Statement filed February 10, 2005. None of the references show all of the features of the claimed invention.

The examiner did not cite any further references.

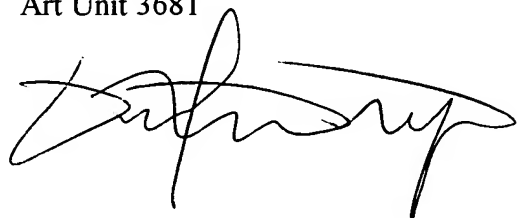
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dirk Wright whose telephone number is 571-272-7098. The examiner can normally be reached on Monday through Friday, 8AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Marmor can be reached on 571-272-7095. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dirk Wright
Primary Examiner
Art Unit 3681



DW
Wednesday, June 08, 2005